

REMARKS/ARGUMENTS

Various claims are being amended as shown above. The claim amendments clarify the claim language and are not intended to limit the scope of the claims, unless the claim language is expressly quoted in the following remarks to distinguish over the cited art.

No new matter is introduced by the amendment shown above.

In section 1 of the office action, claim 2 was objected to because of various informalities. Accordingly, claim 2 is being amended to correct the various informalities. For the above reasons, Applicants request reconsideration and withdrawal of the objection to claim 2.

In section 2 of the office action, claims 1-15, 29, and 31-35 were rejected under 35 U.S.C. §102(e) as allegedly being anticipated by Alvarez et al. (US Pub. No. 2002/0184579). Applicants respectfully traverse the rejection.

Alvarez discloses a computer system (Figure 14) where a Virtual Memory Manager (VMM) 620 allocates active pages 220 and reallocates inactive pages 230 in a main memory subsystem 200. Specifically, the VMM 620 tags a page as inactive by moving the page to the inactive memory 230 and tags a page as active by moving the page to the active memory 232 (Alvarez, paragraph [169]). Therefore, Alvarez discloses a method to activate or inactivate a page by use of the inactive memory 230 and active memory 220. Alvarez does not disclose the step of reducing a memory capacity of

a device by inactivating a row or a column of a memory bank of the device.

Independent claim 1 distinguishes over Alvarez at least by reciting, a method including *"reducing the memory capacity of the device in accordance with the determined amount to produce a device having a reduced memory capacity and a dormant memory capacity, wherein the memory capacity is reduced by inactivating at least one row of a memory bank of the device or at least one column of the memory bank of the device"*, and such recited features are not disclosed nor suggested by Alvarez.

Accordingly, claim 1 is patentable over Alvarez.

Claims 31, 33, 36, 43, 54, and 55 are also being amended to recite similar features that are not disclosed nor suggested by Alvarez.

Accordingly, claim 31, 33, 36, 43, 54, and 55 is patentable over Alvarez.

Claims 2-3, 6-7, 12-13, 29, 32, 34-35, 37-42, and 44-53 depend from various ones of claims 1, 31, 33, 36, 43, 54, and 55 are each patentable over Alvarez for at least the same reasons that claims 1, 31, 33, 36, 43, 54, and 55 are each patentable over Alvarez.

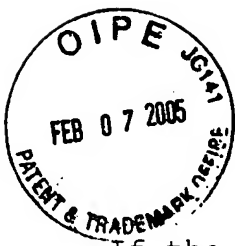
Each of the claims 2-3, 6-7, 12-13, 29, 32, 34-35, 37-42, and 44-53 further distinguishes over Alvarez by reciting additional features. Accordingly, each of the claims 2-3, 6-7, 12-13, 29, 32, 34-35, 37-42, and 44-53 is patentable over Alvarez.

For the above reasons, Applicants request reconsideration and withdrawal of this rejection under 35 U.S.C. §102.

New dependent claims 56-70 are being added and recite features that are not disclosed or suggested by the cited reference. Therefore, Applicants request the allowance of claims 56-70.

For the above reasons, Applicants respectfully request allowance of all pending claims.

If the undersigned attorney has overlooked a teaching in any of the cited references that is relevant to the allowability of the claims, the Examiner is respectfully requested to specifically point out where such teachings may be found.

CONTACT INFORMATION

If the Examiner has any questions or needs any additional information, the Examiner is invited to telephone the undersigned attorney at (805) 681-5078.

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Respectfully submitted,
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